

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 1, line 10 with the following

Amended paragraph:

Because of the popularization of a mobile terminal such as a cell phone, a laptop PC (personal computer) and the like, the role of a battery has been important as its power source. This battery requires the features that it has small size, lightweight and a high capacity and it is not easily deteriorated even if charge and discharge are repeated. A lithium secondary battery is optimal for the above-mentioned application because of its high operation voltage and high energy density. In the lithium secondary battery, as a cathode material, the material whose chief ingredient is LiCoO_2 or manganese spinel is mainly used, and as an anode material, a carbon material such as graphite is typically used. In recent years, these materials are used to obtain the performance substantially close to the theoretical capacity (372 mAh/g in the case of the graphite). In order to make the energy density higher, the material that has high theoretical ~~theoretical~~ discharge capacity is used to try various ideas.